

# ALASKAN *Works* COPPER

Factory  
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Mailing Address:  
P.O. Box 3546 • Seattle, Washington 98124  
Telephone: (206) 623-5800

August 13, 1992

Ms. Christie True  
Metro Industrial Waste Section  
Senior Industrial Waste Investigator  
130 Nickerson Street, Suite #200  
Seattle, WA. 98109-1658

Dear Ms. True:

On July 14, 1992 I contacted you to inform you that our site #7201 had two Metro Self Monitor Reports showing us out of compliance. Enclosed are copies of those reports. After speaking with you, I temporarily shut down the acid treatment system for cleaning. When completed I took a split sample for our labs; enclosed are the reports showing that system is in compliance again.

While investigating the reasons we were out of compliance, our team leader from Freidman and Bruya Inc. (Mark Perrin) came to that location. He agreed with me that poor rinsing practices were a contributing factor as well as poor housekeeping; each of these were prime factors in the site being out of compliance.

We have taken two steps to reduce these contaminants. One step is workers in the acid tank area have been instructed on proper rinsing procedures. Secondly, employees of the two businesses at 3600 E. Marginal Way address were instructed not to do any grinding in this area and insure floors are swept helping to reduce likelihood of metal contamination.

If you have any questions or need further information, please call. I can be reached at 623-5800, Ext. #218.

Very truly yours,

ALASKAN COPPER WORKS

  
Gerald A. Thompson  
Industrial Waste Assistant

GAT:sw

enclosures

*Quality Fabricators of Corrosion Resistant Metals Since 1913*

AKC-0013900

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: July 21, 1992  
Date Submitted: July 2, 1992  
Project: Metro Self Monitor, PO #M25100

**RESULTS OF ANALYSES OF THE WATER SAMPLES  
FOR SELECTED METALS BY ICP (6010)  
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M25100 'A' 7238	0.64	0.41	0.57	0.18
M25100 'B' 7201	4.9	0.67	3.2	3.1

Quality Assurance

Method Blank	<0.02	<0.02	<0.02	<0.02
M25100 'B' 7201 (Duplicate)	4.9	0.67	3.1	3.0
M25100 'B' 7201 (Matrix Spike) Percent Recovery	93%	105%	100%	92%
M25100 'B' 7201 (Matrix Spike Duplicate) Percent Recovery	93%	105%	100%	91%
Spike Blank Percent Recovery	99%	103%	98%	95%
Spike Level	5	5	10	5

**FRIEDMAN & BRUYA, INC.****ENVIRONMENTAL CHEMISTS**

Date of Report: July 24, 1992

Date Submitted: July 15, 1992

Project: 7238-7201, Metro Self Monitor, PO# M25231

**RESULTS OF ANALYSES OF THE WATER SAMPLES  
FOR SELECTED METALS BY ICP (6010)  
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M25231 A	0.89	0.33	0.62	0.02
M25231 B	5.9	1.5	4.9	4.9

**Quality Assurance**

Method Blank	<0.02	<0.02	<0.02	<0.02
M25231 A (Duplicate)	0.88	0.33	0.63	0.02
M25231 A (Matrix Spike) Percent Recovery	92%	95%	92%	91%
M25231 A (Matrix Spike Duplicate) Percent Recovery	92%	95%	92%	91%
Spike Level	5	5	10	5

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: July 31, 1992  
Date Submitted: July 30, 1992  
Project: 7201, 3600 Re:Qual, PO #M25432

**RESULTS OF ANALYSES OF THE WATER SAMPLE  
FOR SELECTED METALS BY ICP (6010)  
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M25432	2	<0.5	3	2

**Quality Assurance**

Method Blank	<0.5	<0.5	<0.5	<1
M25432 (Duplicate)	2	<0.5	3	2
M25432 (Matrix Spike) Percent Recovery	140%	118%	140%	150%
M25432 (Matrix Spike Duplicate) Percent Recovery	130%	117%	140%	150%
Spike Blank Percent Recovery	88%	100%	91%	87%
Spike Level	5	5	10	5



## Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works  
628 S. Hanford  
Seattle, WA 98134

ATTN : Gerald Thompson

Work ID : 3600 Rd: Quzl.  
Taken By : Client  
Transported by: Hand Delivered  
Type : Water

### Certificate of Analysis

Work Order# : 92-07-G13

DATE RECEIVED : 07/30/92

DATE OF REPORT: 08/04/92

CLIENT JOB ID : M25431

### SAMPLE IDENTIFICATION:

	Sample	Description
01	No Id	

### ATTACHMENTS:


Following presentation of sample results, the following appendices are attached to this report:

Appendix A: Method Blank Report

Appendix B: Matrix Spike/Matrix Spike Duplicate Report

Unless otherwise instructed all samples will be discarded on 09/17/92

Respectfully submitted,  
Laucks Testing Laboratories, Inc.

  
J. M. Owens

AUG 6 1992



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AKC-0013904



## Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063

Chemistry, Microbiology, and Technical Services

CLIENT : Alaskan Copper Works

C e r t i f i c a t e   o f   A n a l y s i s

Work Order # 92-07-G13

TESTS PERFORMED AND RESULTS:

Analyte	Units	<u>01</u>
Chromium (Method 218.1)	mg/L	1.1
Copper (Method 220.1)	mg/L	0.23
Nickel (Method 249.1)	mg/L	2.0
Zinc (Method 289.1)	mg/L	1.2

AUG 6 1992



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AKC-0013905

# SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL &amp; TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: Alaskan Copper Works

Date: August 12, 1992

Report On: Analysis of Water

Lab No.: 26248

**IDENTIFICATION:**

Sample received on 08-10-92

Project: 3600 Re: Qual

Client ID: M-25569

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**ANALYSIS:**

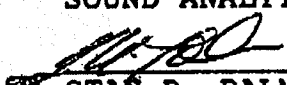
## ICP Metals Per Method 6010

Date Digested: 8-11-92

Date Analyzed: 8-11-92

Chromium, mg/l	1.0
Copper, mg/l	0.23
Nickel, mg/l	1.7
Zinc, mg/l	1.1

SOUND ANALYTICAL SERVICES

  
STAN P. PALMQUIST